

Changes in Indiana's Academic Standards for Mathematics (2009)

Kindergarten

2000 indicator	Related 2009 indicator(s)
K.1.1	No direct match
K.1.2 up to 10	K.1.1 up to 20
K.1.3	No direct match
K.1.4	No direct match
K.1.5	No direct match
K.1.6 up to 10	K.1.1 up to 20
K.1.7	K.1.2
K.1.8	K.1.3
K.1.9	K.1.6
K.2.1	K.1.5
K.2.2	K.1.5
K.2.3	K.2.1
K.3.1	K.3.1
K.3.2	K.2.2
K.4.1	K.3.1
K.4.2	K.3.1
K.4.3	K.3.2
K.5.1	K.3.3 Only includes length and weight
K.5.2	K.3.4
K.6.1	Problem Solving Process Standards
K.6.2	Representation Process Standards
K.6.3	Reasoning and Proof Process Standards
K.6.4	Problem Solving Process Standards
2009 indicator	Notes
K.1.1 up to 20	K.1.6 up to 10
K.1.2 up to 20	K.1.7
K.1.3	K.1.8
K.1.4	No direct match
K.1.5	K.2.1
K.1.6	K.1.9
K.2.1	K.2.3
K.2.2	K.3.2
K.3.1	K.4.2
K.3.2	K.4.3
K.3.3 length and weight only	K.5.1 includes capacity and temperature
K.3.4	K.5.2

Changes in Indiana's Academic Standards for Mathematics (2009)

Grade 1

2000 indicator	Related 2009 indicator(s)
1.1.1	1.1.1
1.1.2	1.1.4
1.1.3	1.1.4
1.1.4	1.1.2
1.1.5 up to 10	1.1.1 up to 100
1.1.6	1.1.3
1.1.7	No direct match: fractions begin in third grade
1.1.8	No direct match: fractions begin in third grade
1.1.9	No direct match: fractions begin in third grade
1.1.10	1.1.7 Includes posing question
1.2.1	1.1.5
1.2.2	1.1.5
1.2.3 up to 20	1.1.4 up to 100
1.2.4	1.1.6
1.2.5	No direct match
1.2.6	1.2.3
1.2.7	1.1.5
1.3.1	1.2.1 uses the word equations
1.3.2	No direct match
1.3.3	1.1.5
1.3.4	1.2.2
1.4.1	1.3.1
1.4.2	No direct match
1.4.3	No direct match
1.4.4	No direct match
1.4.5	No direct match
1.4.6	K.3.2
1.4.7	No direct match
1.5.1	No direct match
1.5.2	No direct match
1.5.3	No direct match
1.5.4	1.3.2
1.5.5	No direct match
1.5.6	No direct match
1.5.7	1.3.3
1.6.1	Problem Solving Process Standards
1.6.2	Problem Solving Process Standards

1.6.3	Reasoning and Proof Process Standards
1.6.4	Problem Solving Process Standards
1.6.5	Connections Process Standards

2009 indicator	Related 2000 indicator(s)
1.1.1	1.1.1, 1.1.5
1.1.2	1.1.4
1.1.3	1.1.6
1.1.4	1.1.2
1.1.5	1.2.1, 1.2.2, 1.2.7
1.1.6	1.2.4
1.1.7	1.1.10
1.2.1	1.3.1
1.2.2	1.3.4
1.2.3	1.2.6
1.3.1	1.4.1
1.3.2	1.5.4
1.3.3	1.5.7

Changes in Indiana's Academic Standards for Mathematics (2009)

Grade 2

2000 indicator	Related 2009 indicator(s)
2.1.1 to 100	2.1.2 to 1000
2.1.2	No direct match
2.1.3	2.1.4
2.1.4	2.1.2
2.1.5	2.1.1
2.1.6	2.1.3
2.1.7	2.1.5
2.1.8	Fractions begin in third grade
2.1.9	Fractions begin in third grade
2.1.10	Fractions begin in third grade
2.1.11	No Direct Match
2.1.12 tables, tally charts, and bar graphs	2.1.7 only tables and picture graphs
2.2.1	1.1.5
2.2.2 numbers less than 100	2.1.6 numbers less than 1000
2.2.3	2.1.6 numbers less than 1000
2.2.4	2.1.6
2.2.5	Estimation and Mental Computation Process Standard

2.2.6	Estimation and Mental Computation Process Standard
2.3.1	2.2.1 Note use of word equation
2.3.2	2.2.3
2.3.3	No direct match
2.3.4	2.2.2
2.4.1	No direct match
2.4.2	2.3.1
2.4.3	No direct match
2.4.4	2.3.2
2.4.5	Best match is K.3.1 and K.3.2
2.5.1	2.3.3
2.5.2	2.3.3
2.5.3	No direct match
2.5.4	Area introduced in third grade
2.5.5	Capacity in fifth grade
2.5.6	3.3.5
2.5.7	No direct match
2.5.8	3.3.5
2.5.9	2.3.4
2.5.10	2.3.4
2.5.11	No direct match
2.5.12	2.3.5 No half-dollars
2.6.1	Problem Solving Process Standards
2.6.2	Representation Process Standards
2.6.3	Reasoning and Proof Process Standards
2.6.4	Problem Solving Process Standards
2.6.5	Connections Process Standards

2009 indicator	Related 2000 indicator(s)
2.1.1 to 1000	No direct match
2.1.2 to 1000	2.1.1 to 100 & 2.1.4
2.1.3	2.1.6
2.1.4 to 1000	2.1.3 only to 100
2.1.5	2.1.7
2.1.6 to 1000	2.2.2 & 2.2.3 only to 100
2.1.7	No direct match
2.2.1	2.3.1
2.2.2	2.3.4
2.2.3	2.3.2
2.3.1	2.4.2

2.3.2	2.4.4
2.3.3	2.5.1 & 2.5.2
2.3.4	2.5.10
2.3.5	2.5.12 Half dollars omitted

Changes in Indiana's Academic Standards for Mathematics (2009)

Grade 3

2000 indicator	Related 2009 indicator(s)
3.1.1 (limit is 1,000)	3.1.1 (limit is 10,000)
3.1.2	3.1.4 (limit is 10,000)
3.1.3	3.1.4 (limit is 10,000)
3.1.4	3.1.4 (limit is 10,000)
3.1.5	3.1.1
3.1.6	Estimation and Mental Computation Process Standards
3.1.7	2.1.5
3.1.8	4.1.2
3.1.9	3.1.3
3.1.10	3.1.3
3.1.11	4.1.3
3.1.12	4.1.3
3.1.13	6.4.1
3.1.14	3.1.9
3.1.15	3.1.9
3.2.1	3.1.5
3.2.2	3.1.6
3.2.3	3.1.7
3.2.4	3.1.6, 3.1.7
3.2.5	4.1.5
3.2.6	4.1.7
3.2.7	Estimation and Mental Computation Process Standards
3.2.8	Estimation and Mental Computation Process Standards
3.3.1	3.2.1
3.3.2	3.2.1
3.3.3	No Direct Match
3.3.4	4.2.3
3.3.5	3.2.2
3.3.6	3.2.1
3.3.7	3.1.1
3.4.1	No Direct Match
3.4.2	3.3.1
3.4.3	2.3.1

3.4.4	No Direct Match
3.4.5	2.3.2
3.4.6	3.3.2
3.4.7	3.3.2
3.4.8	3.3.3
3.4.9	No Direct Match
3.4.10	2.3.1
3.5.1	3.3.5 ¼ inch precision
3.5.2	3.3.5
3.5.3	3.3.4
3.5.4	4.3.5
3.5.5	5.3.6
3.5.6	No Direct Match
3.5.7	3.3.5
3.5.8	3.3.5
3.5.9	3.3.6
3.5.10	2.3.5
3.5.11	2.3.5
3.5.12	3.3.5
3.6.1	Problem Solving Process Standards
3.6.2	Problem Solving Process Standards
3.6.3	Problem Solving Process Standards
3.6.4	Communication Process Standards
3.6.5	Estimation and Mental Computation Process Standards
3.6.6	Estimation and Mental Computation Process Standards
3.6.7	Estimation and Mental Computation Process Standards
3.6.8	Problem Solving Process Standards
3.6.9	Problem Solving Process Standards

2009 indicator	Related 2000 indicator(s)
3.1.1 (limit 10,000)	3.1.1 (limit 1,000)
3.1.2	No Direct Match
3.1.3	3.1.10
3.1.4	3.1.2, 3.1.3, 3.1.4
3.1.5 (no limit)	3.2.1 (limit 1,000)
3.1.6	3.2.2, 3.2.4

3.1.7	3.2.3, 3.2.4
3.1.8	2.1.12
3.1.9	3.1.14
3.2.1	3.3.1, 3.3.2
3.2.2	3.3.5
3.2.3	No Direct Match
3.3.1	3.4.2
3.3.2	3.4.6, 3.4.7
3.3.3	3.4.8
3.3.4	3.5.3
3.3.5	3.5.2, 3.5.7
3.3.6	3.5.9 (without elapsed time)

Changes in Indiana's Academic Standards for Mathematics (2009)

Grade 4

2000 indicator	Related 2009 indicator(s)
4.1.1	4.1.1 no upper limit
4.1.2	4.1.4
4.1.3	Estimation and Mental Computation Process Standard
4.1.4	4.1.2
4.1.5	4.1.2
4.1.6	4.1.2
4.1.7	4.1.2
4.1.8	4.1.3
4.1.9	Estimation and Mental Computation Process Standard
4.2.1	Whole number addition and subtraction finished in grade three 3.1.5
4.2.2	3.1.6
4.2.3	3.1.7
4.2.4	4.1.5
4.2.5	4.1.6
4.2.6	fifth grade
4.2.7	3.1.6
4.2.8	4.1.7
4.2.9	5.1.6
4.2.10	5.1.6
4.2.11	Estimation and Mental Computation Process Standard
4.2.12	Estimation and Mental Computation Process Standard
4.3.1	4.2.1

4.3.2	No direct match
4.3.3	Order of operations in sixth grade
4.3.4	No direct match
4.3.5	4.2.2
4.3.6	3.1.7
4.3.7	3.1.7
4.3.8	3.1.1
4.4.1	4.3.2
4.4.2	4.3.1
4.4.3	No direct match
4.4.4	Congruence second grade
4.4.5	3.3.3
4.4.6	No direct match
4.5.1	3.3.5
4.5.2	3.3.5
4.5.3	4.3.5
4.5.4	4.3.5
4.5.5	No direct match
4.5.6	No direct match
4.5.7	No direct match
4.5.8	Moved to fifth grade 5.3.6
4.5.9	Time completed in third grade
4.5.10	5.1.6
4.6.1	4.1.8
4.6.2	4.1.8
4.6.3	4.1.9
4.7.1	Problem Solving Process Standard
4.7.2	Problem Solving Process Standard
4.7.3	Problem Solving Process Standard
4.7.4	Reasoning and Proof Process Standards
4.7.5	Communication Process Standard
4.7.6	Estimation and Mental Computation
4.7.7	Estimation and Mental Computation Process Standards
4.7.8	Problem Solving Process Standard
4.7.9	Estimation and Mental Computation
4.7.10	Problem Solving Process

	Standard
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2009 indicator	Related 2000 indicator(s)
4.1.1 numbers to 1,000,000	4.1.1
4.1.2	4.1.4, 4.1.5, 4.1.6
4.1.3	4.1.8
4.1.4	4.1.8
4.1.5	4.2.4
4.1.6	4.2.5
4.1.7	4.2.8
4.1.8	No Direct Match
4.1.9	4.6.3
4.2.1	4.3.1
4.2.2.	4.2.2
4.2.3	3.3.4
4.2.4	5.3.3
4.3.1	4.4.2
4.3.2	4.4.1
4.3.3	5.4.6
4.3.4	4.5.1
4.3.5	4.5.3

Changes in Indiana's Academic Standards for Mathematics (2009)

Grade 4

2000 indicator	Related 2009 indicator(s)
4.1.1	4.1.1 no upper limit
4.1.2	4.1.4
4.1.3	Estimation and Mental Computation Process Standard
4.1.4	4.1.2
4.1.5	4.1.2
4.1.6	4.1.2
4.1.7	4.1.2
4.1.8	4.1.3
4.1.9	Estimation and Mental Computation Process Standard
4.2.1	Whole number addition and subtraction finished in grade three 3.1.5
4.2.2	3.1.6
4.2.3	3.1.7
4.2.4	4.1.5
4.2.5	4.1.6

4.2.6	fifth grade
4.2.7	3.1.6
4.2.8	4.1.7
4.2.9	5.1.6
4.2.10	5.1.6
4.2.11	Estimation and Mental Computation Process Standard
4.2.12	Estimation and Mental Computation Process Standard
4.3.1	4.2.1
4.3.2	No direct match
4.3.3	Order of operations in sixth grade
4.3.4	No direct match
4.3.5	4.2.2
4.3.6	3.1.7
4.3.7	3.1.7
4.3.8	3.1.1
4.4.1	4.3.2
4.4.2	4.3.1
4.4.3	No direct match
4.4.4	Congruence second grade
4.4.5	3.3.3
4.4.6	No direct match
4.5.1	3.3.5
4.5.2	3.3.5
4.5.3	4.3.5
4.5.4	4.3.5
4.5.5	No direct match
4.5.6	No direct match
4.5.7	No direct match
4.5.8	Moved to fifth grade 5.3.6
4.5.9	Time completed in third grade
4.5.10	5.1.6
4.6.1	4.1.8
4.6.2	4.1.8
4.6.3	4.1.9
4.7.1	Problem Solving Process Standard
4.7.2	Problem Solving Process Standard
4.7.3	Problem Solving Process Standard
4.7.4	Reasoning and Proof Process Standards
4.7.5	Communication Process

	Standard
4.7.6	Estimation and Mental Computation
4.7.7	Estimation and Mental Computation Process Standards
4.7.8	Problem Solving Process Standard
4.7.9	Estimation and Mental Computation
4.7.10	Problem Solving Process Standard

2009 indicator	Related 2000 indicator(s)
4.1.1 numbers to 1,000,000	4.1.1
4.1.2	4.1.4, 4.1.5, 4.1.6
4.1.3	4.1.8
4.1.4	4.1.8
4.1.5	4.2.4
4.1.6	4.2.5
4.1.7	4.2.8
4.1.8	No Direct Match
4.1.9	4.6.3
4.2.1	4.3.1
4.2.2.	4.2.2
4.2.3	3.3.4
4.2.4	5.3.3
4.3.1	4.4.2
4.3.2	4.4.1
4.3.3	5.4.6
4.3.4	4.5.1
4.3.5	4.5.3

Changes in Indiana's Academic Standards for Mathematics (2009)

Grade 4

2000 indicator	Related 2009 indicator(s)
4.1.1	4.1.1 no upper limit
4.1.2	4.1.4
4.1.3	Estimation and Mental Computation Process Standard
4.1.4	4.1.2
4.1.5	4.1.2
4.1.6	4.1.2
4.1.7	4.1.2

4.1.8	4.1.3
4.1.9	Estimation and Mental Computation Process Standard
4.2.1	Whole number addition and subtraction finished in grade three 3.1.5
4.2.2	3.1.6
4.2.3	3.1.7
4.2.4	4.1.5
4.2.5	4.1.6
4.2.6	fifth grade
4.2.7	3.1.6
4.2.8	4.1.7
4.2.9	5.1.6
4.2.10	5.1.6
4.2.11	Estimation and Mental Computation Process Standard
4.2.12	Estimation and Mental Computation Process Standard
4.3.1	4.2.1
4.3.2	No direct match
4.3.3	Order of operations in sixth grade
4.3.4	No direct match
4.3.5	4.2.2
4.3.6	3.1.7
4.3.7	3.1.7
4.3.8	3.1.1
4.4.1	4.3.2
4.4.2	4.3.1
4.4.3	No direct match
4.4.4	Congruence second grade
4.4.5	3.3.3
4.4.6	No direct match
4.5.1	3.3.5
4.5.2	3.3.5
4.5.3	4.3.5
4.5.4	4.3.5
4.5.5	No direct match
4.5.6	No direct match
4.5.7	No direct match
4.5.8	Moved to fifth grade 5.3.6
4.5.9	Time completed in third grade
4.5.10	5.1.6
4.6.1	4.1.8
4.6.2	4.1.8

4.6.3	4.1.9
4.7.1	Problem Solving Process Standard
4.7.2	Problem Solving Process Standard
4.7.3	Problem Solving Process Standard
4.7.4	Reasoning and Proof Process Standards
4.7.5	Communication Process Standard
4.7.6	Estimation and Mental Computation
4.7.7	Estimation and Mental Computation Process Standards
4.7.8	Problem Solving Process Standard
4.7.9	Estimation and Mental Computation
4.7.10	Problem Solving Process Standard

2009 indicator	Related 2000 indicator(s)
4.1.1 numbers to 1,000,000	4.1.1
4.1.2	4.1.4, 4.1.5, 4.1.6
4.1.3	4.1.8
4.1.4	4.1.8
4.1.5	4.2.4
4.1.6	4.2.5
4.1.7	4.2.8
4.1.8	No Direct Match
4.1.9	4.6.3
4.2.1	4.3.1
4.2.2.	4.2.2
4.2.3	3.3.4
4.2.4	5.3.3
4.3.1	4.4.2
4.3.2	4.4.1
4.3.3	5.4.6
4.3.4	4.5.1
4.3.5	4.5.3

Changes in Indiana's Academic Standards for Mathematics (2009)

Grade 5

2000 indicator	Related 2009 indicator(s)
5.1.1	5.1.1
5.1.2	Estimation and Mental Computation Process Standards
5.1.3	5.1.2
5.1.4	6.1.3 Percents moved to sixth grade
5.1.5	Fraction work in third grade
5.1.6	5.1.3
5.1.7	5.1.1
5.2.1	5.1.5
5.2.2	5.1.6
5.2.3	5.1.7 division of fractions moved to sixth grade
5.2.4	5.1.7 division of fractions moved to sixth grade
5.2.5	5.1.6
5.2.6	Estimation and Mental Computation Process Standards
5.2.7	Estimation and Mental Computation Process Standards
5.3.1	5.2.1
5.3.2	5.2.1
5.3.3	6.2.3 Distributive property moved to sixth grade
5.3.4	5.2.2
5.3.5	5.2.2
5.3.6	
5.3.7	5.1.8
5.4.1	5.3.1 Angles only, lines in fourth grade
5.4.2	5.3.2
5.4.3	Congruent in second grade
5.4.4	5.3.2
5.4.5	6.3.3
5.4.6	5.3.4
5.4.7	5.3.4
5.4.8	No direct match
5.4.9	No direct match
5.5.1	5.3.5
5.5.2	5.3.5
5.5.3	5.3.5
5.5.4	5.3.6
5.5.5	3.3.5 Weight in third grade

5.5.6	3.3.5
5.5.7	5.1.6
5.6.1	No direct match
5.6.2	4.1.8 Only refers to median, range and mode
5.6.3	3.1.9
5.6.4	4.1.9
5.7.1	Problem Solving Process Standard
5.7.2	Problem Solving Process Standard
5.7.3	Problem Solving Process Standards
5.7.4	Communication Process Standard
5.7.5	Estimation and Mental Computation Process Standards
5.7.6	Estimation and Mental Computation Process Standards
5.7.7	Estimation and Mental Computation Process Standards
5.7.8	Problem Solving Process Standard Process Standards
5.7.9	Problem Solving Process Standard Process Standards

2009 indicator	Related 2000 indicator(s)
5.1.1	5.1.1
5.1.2	5.1.3
5.1.3	5.1.6
5.1.4	No direct match
5.1.5	5.2.1
5.1.6	5.2.2
5.1.7	5.2.3 Multiplication of fractions only
5.1.8	No direct match
5.1.9	No direct match
5.2.1	5.3.1
5.2.2	5.3.5
5.3.1	5.4.1 Angles only in fifth grade
5.3.2	5.4.2
5.3.3	No direct match
5.3.4	5.4.6
5.3.5	5.5.1, 5.5.2
5.3.6	5.5.4